

ABSTRACT OF THE DISCLOSURE

A controller for a fluid ejecting system having a refillable container includes an ejection count initializing circuit, routine or application, a count incrementing circuit, routine or application, at least one fluid level indicator, and a fluid quantity circuit, routine or application for determining an expended quantity of fluid, a fluid reserve capacity circuit, routine or application for determining a fluid reserve capacity in the container, an ejection job determining circuit, routine or application for determining a fluid job requirement, a reserve comparing circuit, routine or application to compare the fluid reserve capacity and the fluid job requirement, and a refill condition determining circuit, routine or application to determine that the container is to be refilled. Counts for a ejection amount and a reserve capacity are incremented in response to a specific amount of fluid being ejected from the container. The expended quantity of fluid is based on the ejection amount count subsequent to the fluid level being indicated. The fluid reserve capacity is based on the reserve capacity count and the expended quantity of fluid. The fluid job requirement is based on the expended quantity of fluid and a job number of ejected amounts of fluid. The container is determined to be refilled upon at least a condition wherein the fluid job requirement exceeds the fluid reserve capacity, and a condition wherein the fluid level is below a refill threshold.